

Work Order ID 58164

Monday, April 26, 2010 3:48:24 PM



Page 1

Item ID: DSI 9517-011

Accept

Revision ID: PRELIM

Setup Start

Item Name: Wearplate Installation

Stop

Start Date: 4/26/2010 Start Qty: 2.00



Required Date: 4/27/2010 Req'd Qty: 2.00



Cust Item ID:

Customer:

PRELIMINARY ISSUE

Reference:

Approvals: Process Plan: MFDate: 10-4-26

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
DSI 9517	PA1

100



DOCUMENT CONTROL

DC

Document Control

Memo

0.00

TO BE SHIPPED AFTER FAA

APPROVAL

10/04/27

110



Pick Kit

0.00

Packaging

Packaging

Memo

0.00

10-04-27

120



QC4- 100% Inspect kits for completeness

0.00

QC

Quality Control

Memo

0.00

10/04/27

b problem DSI only

+2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 58164

Monday, April 26, 2010 3:48:24 PM



Page 2

Item ID: DSI 9517-011

Accept



Setup Start



Revision ID: PRELIM

Stop



Item Name: Wearplate Installation

Start Date: 4/26/2010 Start Qty: 2.00



Cust Item ID:

Required Date: 4/27/2010 Req'd Qty: 2.00



Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling: Date:

Run Start



QC:

Date:

SPC (Y/N): Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130



Packaging

0.00

10-04-26

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP DSI9517-011
Location: _____

140



QC21- Final Inspection - Work Order Release

0.00

QC

Quality Control

Memo

0.00

10/04/27 QC21 PER DE APPROVED DSI9517 Rev. A Prelim

10/10/07
POSITIVE RECALL
EFFECTIVE 10/10/07 AUTH
RELEASED DATE 10/10/07
MF 10-4-27
M

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Monday, April 26, 2010 3:48:23 PM

Page 1

Work Order ID: 58164



Parent Item: DSI 9517-011



Parent Item Name: Wearplate Installation

Comments: IPP Rev:A new issue DD 10.04.26 verified by:EC

Start Date: 4/26/2010

Required Date: 4/27/2010

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AN4C54A	AN4C53A	Purchased	No		110	Each	10.0000	8.0000	8	100426	100426
---------	---------	-----------	----	--	-----	------	---------	--------	---	--------	--------

Bolt

PTO

Warehouse

Location

Main Warehouse

ST361

Loc Qty

Loc Code

114455

10

10

D3403-5



Manufactured

No

110

Each

0.0000

16.0000



100427

Bushing



Manufactured

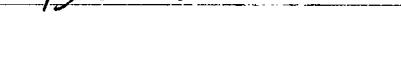
No

110

Each

0.0000

2.0000



100427

D4095-041



Wearplate Assembly



D4095-043

Manufactured

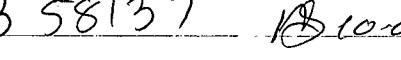
No

110

Each

0.0000

2.0000



100427

Wearplate Assembly

Manufactured

No

110

Each

0.0000

2.0000



100427

W/O: 58164

WORK ORDER CHANGES

DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10.04.22	140	AN4C54A TOO LOW. CMG TO AN4C53A. PERMANENT CHG.				10.04.22 QSL042.	

Part No: DS19517-011 PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. D
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 3

AS 164
REF. CANADIAN STC: SH05-37

REF. FAA STC: SR01583SE

REF. EASA STC: EASA.IM.R.S.01126

PURPOSE:

The purpose of this service instruction is to introduce an alternate wearplate installation for the D412-742-011/-013 Skidtube Installations. The new DSI-9517-011 Wearplate Kit consists of new wearplates and gaskets destined to replace existing D3564-1/-3 Wearshoes and D3566-1/-3 Gaskets. The components in the DSI-9517-011 Wearplate Kit are as defined in the parts list on sheet 4 of this service instruction.

INSTALLATION PROCEDURE:

Replace D3564-1/-3 Wearshoes and D3566-1/-3 Gaskets with D4095-041/-043 Wearplates Assemblies as follows:

1. Remove existing D3564-1/-3 Wearshoes and D3566-1/-3 Gaskets per Item 32.6.1 of ICA-D412-742. It might be necessary to loosen the aft end of D3564-5 Wearshoe and D3566-5 Gasket.
2. Remove qty.(4) AN4C52A Bolts, D3403-1 Bushings, and qty.(8) D3672-11 Washers as indicated in Figures 1 and 2 of this service instruction.
3. Inspect the skidtube and saddles per Chapter 5 of ICA-D412-742.
4. Seal existing inserts located on both sides of the skidtube in area shown in Figures 1 and 2 of this service instruction using Sikaflex -241/-291 or Proseal 890 or MIL-S-8802 Class 2B sealant.
5. Locate the DSI-9517-011 Wearplate Kit as shown in Figure 1 and 2 of this service instruction.
6. Transfer drill qty.(2) Ø0.438 hole from the skidtube/saddle to the D4095-041/-043 Wearplates Assemblies. Deburr. Touch up finish per Item 5.2.14 of ICA-D412-742 as required.
7. Install the DSI-9517-011 Wearplate Kit using the same AN3C hardware as shown in ICA-D412-742. Torque to 15-25 in-lbs (1.7-2.8 N-m). *53 10.04.22*
8. Install D3403-5 Bushings and AN4C52A Bolts in lieu of D3403-1 Bushings and AN4C52A Bolts removed at step 2 above. Ensure that the nuts on the AN4C Bolts are on the inboard side of the skidtube. Torque to 50-70 in-lbs (5.7-7.9 N-m).
9. Amend weight and balance per the Weight and Balance Table below.

WEIGHT AND BALANCE:

Use the following weight and balance information for DART D412-742-011/-013 skidtube and saddle installations equipped with DSI-9517-011 Wearplate Kit.

INSTALLATION	WEIGHT	LATERAL		LONGITUDINAL	
		ARM	MOMENT	ARM	MOMENT
D412-742-011 Float Skidtube Installation with DSI-9517-011 Kit Installed	70.0 lb 31.8 kg	±55.0 in ±1.40 m	±3850 in-lb ±44.5 m-kg	130 in 3.3 m	9100 in-lb 105 m-kg
D412-742-013 Float Skidtube Installation with DSI-9517-011 Kit Installed	70.0 lb 31.8 kg	±55.0 in ±1.40 m	±3850 in-lb ±44.5 m-kg	130 in 3.3 m	9100 in-lb 105 m-kg

A	NEW ISSUE	MB	10.04.21
REV.		BY	DATE
DESIGN	<i>b1</i>	DART AEROSPACE USA, INC PORT HADLOCK, WA	
DRAWN			
CHECKED	<i>P</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>NA</i>	DSI 9517	SHEET 1 OF 6
APPROVED	<i>NA</i>	TITLE	SCALE
DE APPR.	<i>NA</i>	ALTERNATE WEARPLATE KIT	NTS
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PRELIMINARY ISSUE

10.04.23

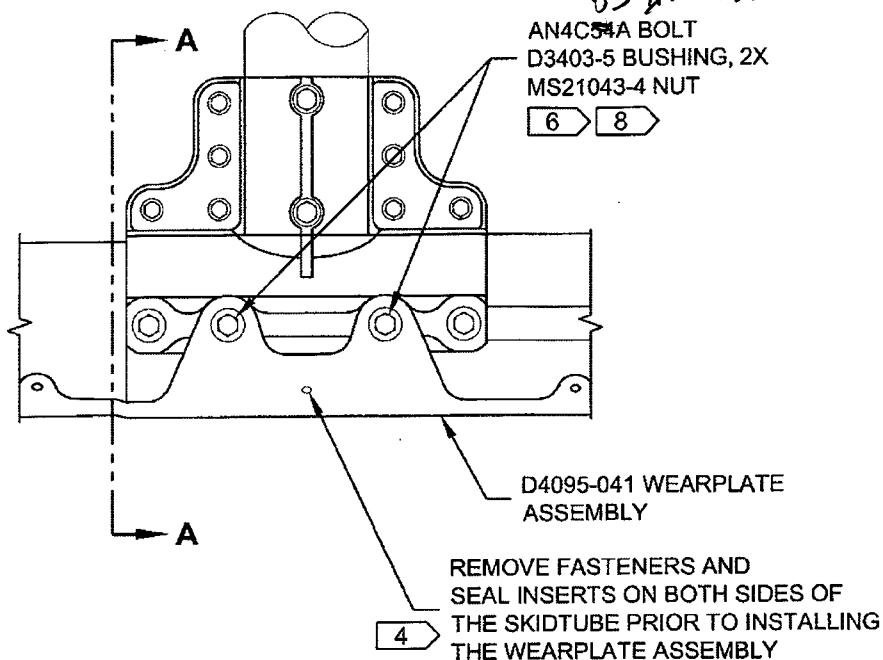
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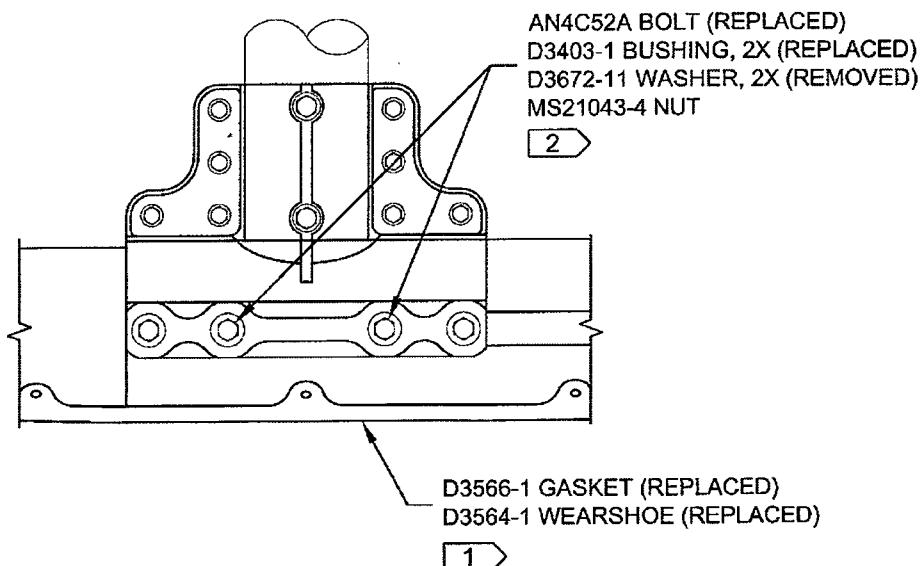
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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

IS:



WAS:



**FIGURE 1: CHANGE AT FORWARD SADDLE LOCATION
WITH DSI-9517-011 KIT INSTALLED**

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10.04.23

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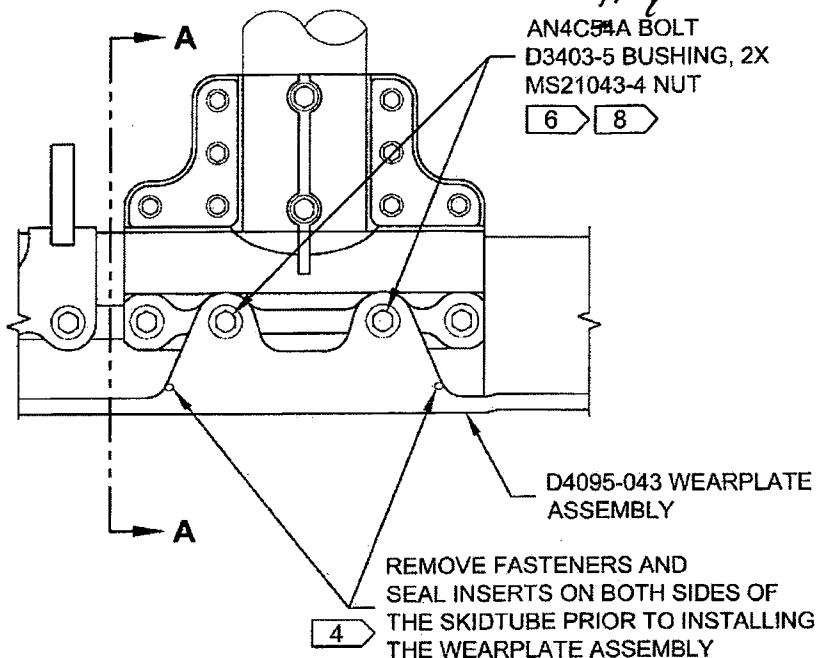
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

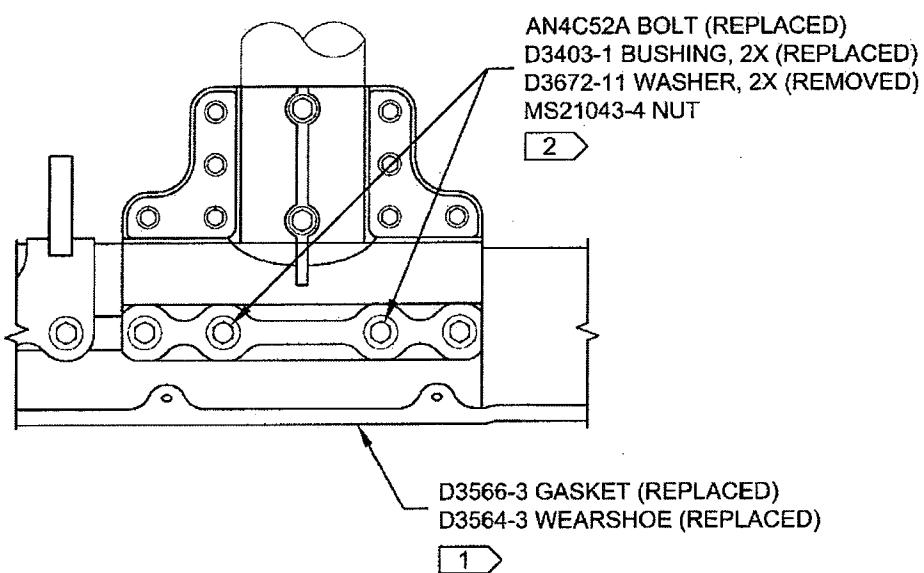
NOTE: Date & initial all entries

IS:



WAS:

WAS



**FIGURE 2: CHANGE AT AFT SADDLE LOCATION
WITH DSI-9517-011 KIT INSTALLED**

PRELIMINARY ISSUE

10.04.23

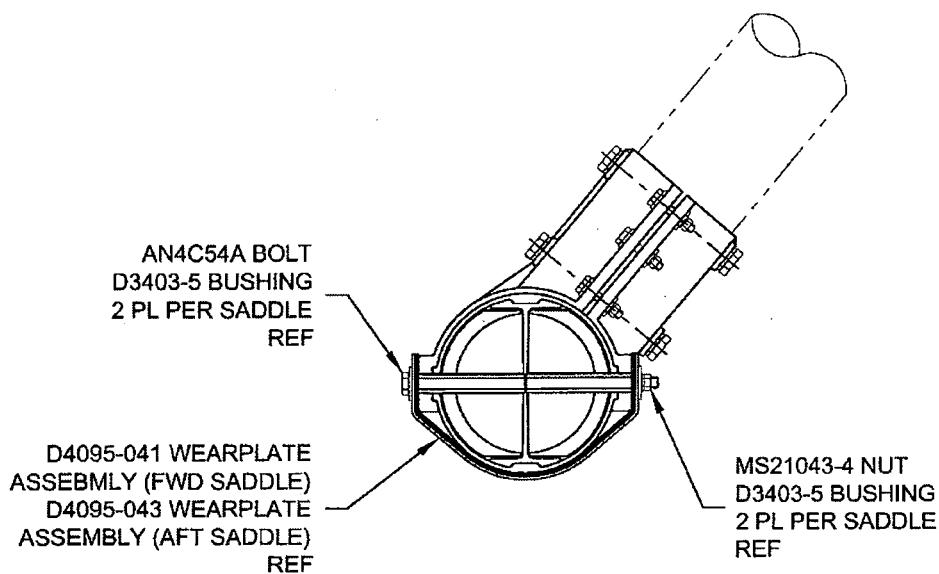
DESIGN		DART AEROSPACE USA, INC			
DRAWN		PORT HADLOCK, WA			
CHECKED	CP	DRAWING NO.	REV. A		
MFG. APPR.	NA	DSI 9517	SHEET 3 OF 6		
APPROVED	AM	TITLE	SCALE		
DE APPR.		ALTERNATE WEARPLATE KIT			
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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



SECTION A-A

DSI-9517-011 PARTS LIST:

QTY -011	PART NUMBER	DESCRIPTION
X	DSI-9517-011	WEARPLATE KIT
8	D3403-5	BUSHING
1	D4095-041	WEARPLATE ASSEMBLY
1	D4095-043	WEARPLATE ASSEMBLY
4	AN4C54A	BOLT

58110
43
10.04.21

PRELIMINARY ISSUE
10.04.23

DESIGN	1	DART AEROSPACE USA, INC	
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CHECKED	CP	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9517	SHEET 4 OF 6
APPROVED	MM	TITLE	SCALE
DE APPR.	MM	ALTERNATE WEARPLATE KIT	
DATE	10.04.21	NTS	
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

THE PARTS LISTS IN SECTION 32.15 OF ICA-D412-742 (PAGES 53 AND 55) AND SECTION 5.1 OF IIN-D412-742 (PAGES 16 AND 17) ARE AMENDED AS FOLLOWS WHEN OPTIONAL DSI-9517-011 KIT IS INSTALLED:

32.15 D412-742-011 (PMA/OEM) FLOAT SKIDTUBE INSTALLATION PARTS LIST (ICA-D412-742)
5.1 D412-742-011 (PMA/OEM) FLOAT SKIDTUBE INSTALLATION PARTS LIST (IIN-D412-742)

Item	QTY -011	QTY -041	QTY -015	PART NUMBER	DESCRIPTION
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
1	X			D412-742-041	FLOAT SKIDTUBE
1		X		D412-742-015	ELECTRIC STEP KIT

IS:

3		10		AN3C6A	BOLT (REMOVED QTY.2)
4		4		AN3C7A	BOLT (REMOVED QTY.4)
5		38		AN960C10L	WASHER (REMOVED QTY.6)

21A		1		D4095-041	WEARPLATE ASSEMBLY
21B		*1		*D4096-1 (PART OF D4095-041)	*GASKET (BONDED TO D4095-041, REPLACES D3566-1)
22A		1		D4095-043	WEARPLATE ASSEMBLY
22B		*1		*D4096-3 (PART OF D4095-043)	*GASKET (BONDED TO D4095-043, REPLACES D3566-3)

46	8			D3403-1	BUSHING (REPLACED QTY.4 WITH D3403-5)
46A	8			D3403-5	BUSHING (REPLACES QTY.4 D3403-1)

49	4			AN4C52A	BOLT (REPLACED QTY.4 WITH AN4C52A)
49A	4			AN4C52A	BOLT (REPLACES QTY.4 AN4C52A)

53	8			D3672-11	WASHER (REMOVED QTY.8)
----	---	--	--	----------	------------------------

WAS:

3		12		AN3C6A	BOLT
4		8		AN3C7A	BOLT
5		44		AN960C10L	WASHER

21A		1		D3564-1	WEARPLATE
21B		1		D3564-3	WEARPLATE
22A		1		D3566-1	GASKET
22B		1		D3566-3	GASKET

46	16			D3403-1	BUSHING
----	----	--	--	---------	---------

49	8			AN4C52A	BOLT
----	---	--	--	---------	------

53	16			D3672-11	WASHER
----	----	--	--	----------	--------

*BONDING IS ACHIEVED USING 3M 1300/ 1300L SCOTCH GRIP ADHESIVE.

PRELIMINARY ISSUE

10.04.23

DESIGN		 <small>DSI 9517</small>	DART AEROSPACE USA, INC	
DRAWN			PORT HADLOCK, WA	
CHECKED			REV. A	
MFG. APPR.	N/A		SHEET 5 OF 6	
APPROVED			TITLE	
DE APPR.			SCALE	
DATE	10.04.21	ALTERNATE WEARPLATE KIT		
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

THE PARTS LISTS IN SECTION 32.16 OF ICA-D412-742 (PAGES 57 AND 59) AND SECTION 5.2 OF IIN-D412-742 (PAGES 18 AND 19) ARE AMENDED AS FOLLOWS WHEN OPTIONAL DSI-9517-011 KIT IS INSTALLED:

32.16 D412-742-013 (APICAL TRI-BAG) FLOAT SKIDTUBE INSTALLATION PARTS LIST (ICA-D412-742)
5.2 D412-742-013 (APICAL TRI-BAG) FLOAT SKIDTUBE INSTALLATION PARTS LIST (IIN-D412-742)

ITEM	QTY -013	QTY -043	PART NUMBER	DESCRIPTION
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE

IS:

3		10	AN3C6A	BOLT (REMOVED QTY.2)
4		4	AN3C7A	BOLT (REMOVED QTY.4)
5		38	AN960C10L	WASHER (REMOVED QTY.6)

21A	1		D4095-041	WEARPLATE ASSEMBLY
21B	*1		*D4096-1 (PART OF D4095-041)	*GASKET (BONDED TO D4095-041, REPLACES D3566-1)
22A	1		D4095-043	WEARPLATE ASSEMBLY
22B	*1		*D4096-3 (PART OF D4095-043)	*GASKET (BONDED TO D4095-043, REPLACES D3566-3)

46	8		D3403-1	BUSHING (REPLACED QTY.4 WITH D3403-5)
46A	8		D3403-5	BUSHING (REPLACES QTY.4 D3403-1)

49	4		AN4C52A	BOLT (REPLACED QTY.4 WITH AN4C54A)
49A	4		AN4C54A	BOLT (REPLACES QTY.4 AN4C52A)

53	8		D3672-11	WASHER (REMOVED QTY.8)
----	---	--	----------	------------------------

WAS:

3		12	AN3C6A	BOLT
4		8	AN3C7A	BOLT
5		44	AN960C10L	WASHER

21A		1	D3564-1	WEARPLATE
21B		1	D3564-3	WEARPLATE
22A		1	D3566-1	GASKET
22B		1	D3566-3	GASKET

46	16		D3403-1	BUSHING
----	----	--	---------	---------

49	8		AN4C52A	BOLT
----	---	--	---------	------

53	16		D3672-11	WASHER
----	----	--	----------	--------

*BONDING IS ACHIEVED USING 3M 1300/ 1300L SCOTCH GRIP ADHESIVE.

PRELIMINARY ISSUE
10.04.23

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DRAWN				
CHECKED	UP	DRAWING NO.	REV. A	
MFG. APPR.	N/A			
APPROVED		TITLE	SCALE	
DE APPR.				
DATE	10.04.21	ALTERNATE WEARPLATE KIT NTS		
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. D
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 3

REF. CANADIAN STC: SH05-37

REF. FAA STC: SR01583SE

REF. EASA STC: EASA.IM.R.S.01126

PURPOSE:

The purpose of this service instruction is to introduce an alternate wearplate installation for the D412-742-011/-013 Skidtube Installations. The new DSI-9517-011 Wearplate Kit consists of new wearplates and gaskets destined to replace existing D3564-1/-3 Wearshoes and D3566-1/-3 Gaskets. The components in the DSI-9517-011 Wearplate Kit are as defined in the parts list on sheet 4 of this service instruction.

INSTALLATION PROCEDURE:

Replace D3564-1/-3 Wearshoes and D3566-1/-3 Gaskets with D4095-041/-043 Wearplates Assemblies as follows:

1. Remove existing D3564-1/-3 Wearshoes and D3566-1/-3 Gaskets per Item 32.6.1 of ICA-D412-742. It might be necessary to loosen the aft end of D3564-5 Wearshoe and D3566-5 Gasket.
2. Remove qty.(4) AN4C52A Bolts, D3403-1 Bushings, and qty.(8) D3672-11 Washers as indicated in Figures 1 and 2 of this service instruction.
3. Inspect the skidtube and saddles per Chapter 5 of ICA-D412-742.
4. Seal existing inserts located on both sides of the skidtube in area shown in Figures 1 and 2 of this service instruction using Sikaflex -241/-291 or Proseal 890 or MIL-S-8802 Class 2B sealant.
5. Locate the DSI-9517-011 Wearplate Kit as shown in Figure 1 and 2 of this service instruction.
6. Transfer drill qty.(2) Ø0.438 hole from the skidtube/saddle to the D4095-041/-043 Wearplates Assemblies. Deburr. Touch up finish per Item 5.2.14 of ICA-D412-742 as required.
7. Install the DSI-9517-011 Wearplate Kit using the same AN3C hardware as shown in ICA-D412-742. Torque to 15-25 in-lbs (1.7-2.8 N-m).
8. Install D3403-5 Bushings and AN4C53A Bolts in lieu of D3403-1 Bushings and AN4C52A Bolts removed at step 2 above. Ensure that the nuts on the AN4C Bolts are on the inboard side of the skidtube. Torque to 50-70 in-lbs (5.7-7.9 N-m).
9. Amend weight and balance per the Weight and Balance Table below.

WEIGHT AND BALANCE:

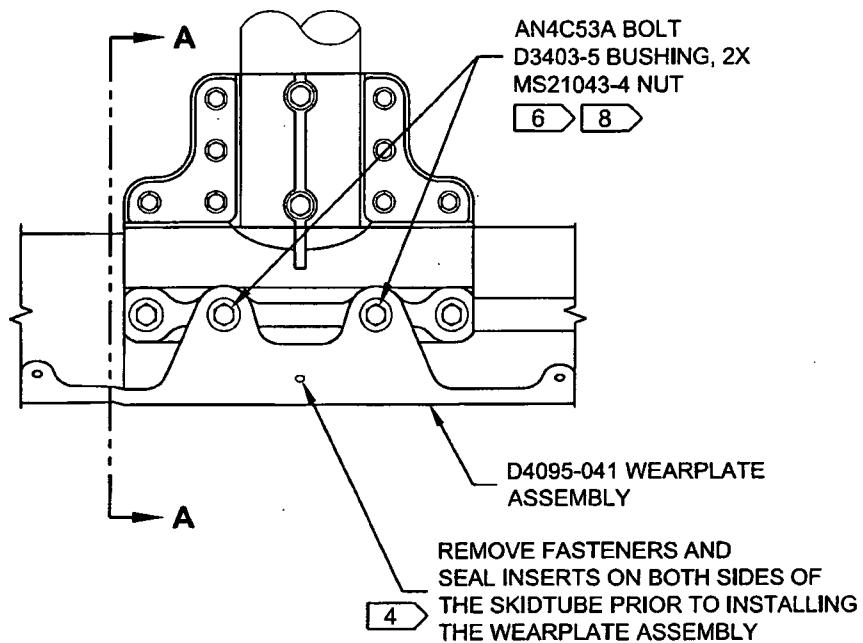
Use the following weight and balance information for DART D412-742-011/-013 skidtube and saddle installations equipped with DSI-9517-011 Wearplate Kit.

INSTALLATION	WEIGHT	LATERAL		LONGITUDINAL	
		ARM	MOMENT	ARM	MOMENT
D412-742-011 <i>Float Skidtube Installation with DSI-9517-011 Kit Installed</i>	70.0 lb 31.8 kg	±55.0 in ±1.40 m	±3850 in-lb ±44.5 m-kg	130 in 3.3 m	9100 in-lb 105 m-kg
D412-742-013 <i>Float Skidtube Installation with DSI-9517-011 Kit Installed</i>	70.0 lb 31.8 kg	±55.0 in ±1.40 m	±3850 in-lb ±44.5 m-kg	130 in 3.3 m	9100 in-lb 105 m-kg

S8164

A	NEW ISSUE	MB	10.04.21
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>A</i>	DART AEROSPACE USA, INC PORT HADLOCK, WA	
DRAWN	<i>B</i>		
CHECKED	<i>gp</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9517	SHEET 1 OF 6
APPROVED	<i>mo</i>	TITLE	SCALE
DE APPR.	<i>ff</i>	ALTERNATE WEARPLATE KIT	NTS
DATE	10.04.21	COPYRIGHT © 2010 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

IS:



WAS:

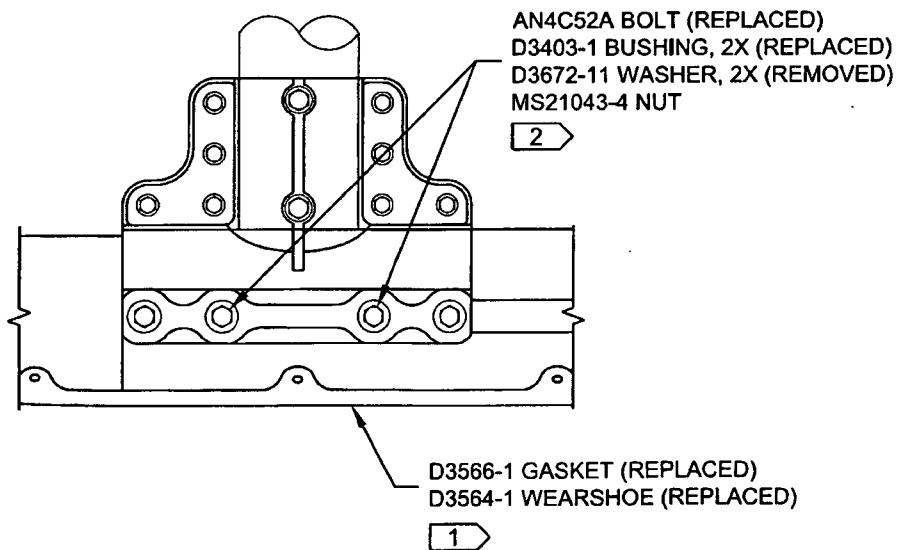
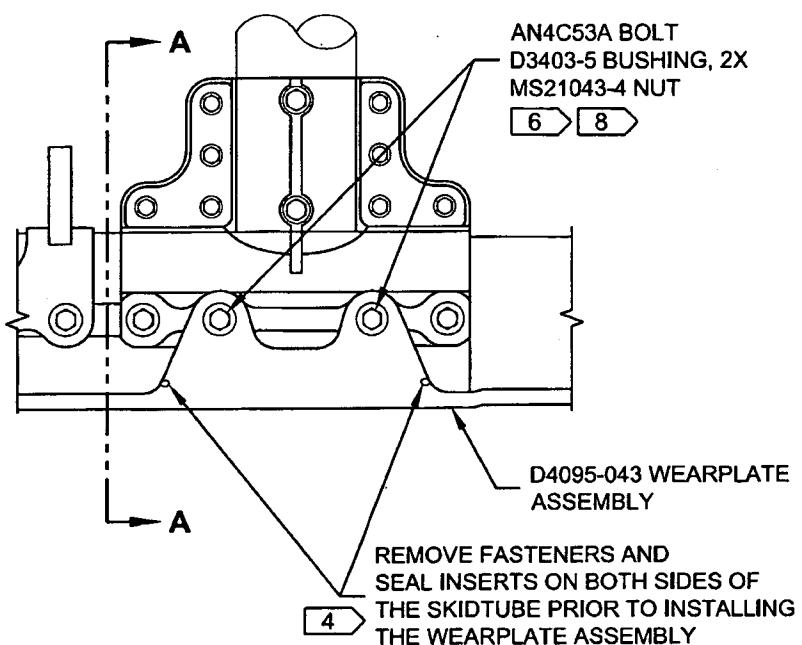


FIGURE 1: CHANGE AT FORWARD SADDLE LOCATION
WITH DSI-9517-011 KIT INSTALLED

58164

DESIGN	<i>4</i>	DART AEROSPACE USA, INC	
DRAWN	<i>8</i>	PORT HADLOCK, WA	
CHECKED	<i>97</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9517	SHEET 2 OF 6
APPROVED	<i>100</i>	TITLE	SCALE
DE APPR.	<i>111</i>	ALTERNATE WEARPLATE KIT	NTS
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IS:



WAS:

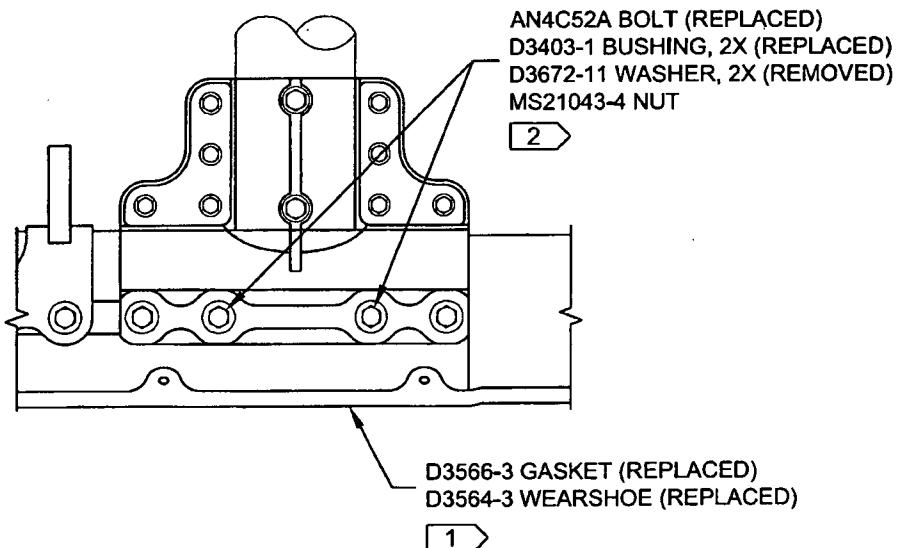
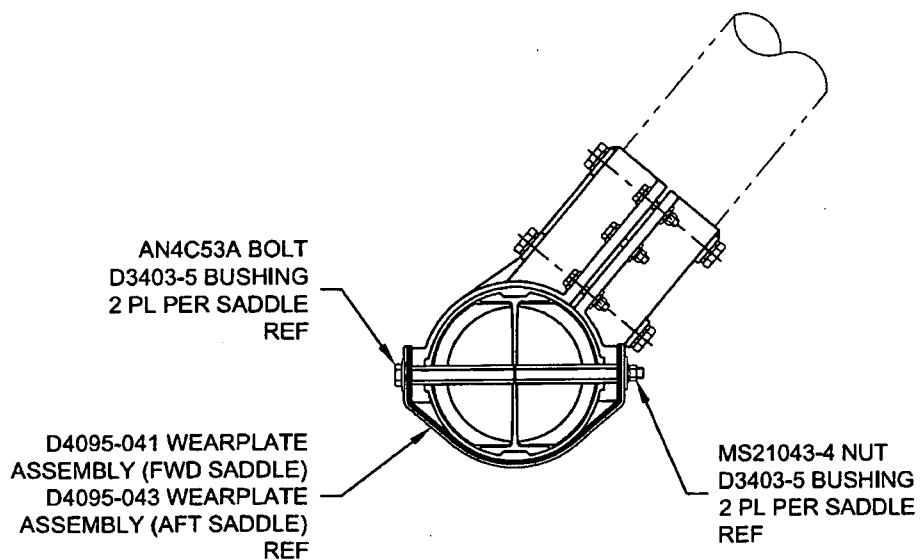


FIGURE 2: CHANGE AT AFT SADDLE LOCATION
WITH DSI-9517-011 KIT INSTALLED

SPN/65

DESIGN	<i>41</i>	DART AEROSPACE USA, INC	
DRAWN	<i>4</i>	PORT HADLOCK, WA	
CHECKED	<i>92</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9517	SHEET 3 OF 6
APPROVED	<i>100</i>	TITLE	SCALE
DE APPR.	<i>111</i>	ALTERNATE WEARPLATE KIT	NTS
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SECTION A-A

DSI-9517-011 PARTS LIST:

QTY -011	PART NUMBER	DESCRIPTION
X	DSI-9517-011	WEARPLATE KIT
8	D3403-5	BUSHING
1	D4095-041	WEARPLATE ASSEMBLY
1	D4095-043	WEARPLATE ASSEMBLY
4	AN4C53A	BOLT

SJAB

DESIGN	<i>A</i>	DART AEROSPACE USA, INC PORT HADLOCK, WA	
DRAWN	<i>B</i>		
CHECKED	<i>QD</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9517	SHEET 4 OF 6
APPROVED	<i>AP</i>	TITLE	
DE APPR.	<i>MM</i>	SCALE	
DATE	10.04.21	NTS	
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THE PARTS LISTS IN SECTION 32.15 OF ICA-D412-742 (PAGES 53 AND 55) AND SECTION 5.1 OF IIN-D412-742 (PAGES 16 AND 17) ARE AMENDED AS FOLLOWS WHEN OPTIONAL DSI-9517-011 KIT IS INSTALLED:

32.15 D412-742-011 (PMA/OEM) FLOAT SKIDTUBE INSTALLATION PARTS LIST (ICA-D412-742)
5.1 D412-742-011 (PMA/OEM) FLOAT SKIDTUBE INSTALLATION PARTS LIST (IIN-D412-742)

ITEM	QTY -011	QTY -041	QTY -015	PART NUMBER	DESCRIPTION
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
1	X			D412-742-041	FLOAT SKIDTUBE
1		X		D412-742-015	ELECTRIC STEP KIT

IS:

3		10		AN3C6A	BOLT (REMOVED QTY.2)
4		4		AN3C7A	BOLT (REMOVED QTY.4)
5		38		AN960C10L	WASHER (REMOVED QTY.6)

21A		1		D4095-041	WEARPLATE ASSEMBLY
21B		*1		*D4096-1 (PART OF D4095-041)	*GASKET (BONDED TO D4095-041, REPLACES D3566-1)
22A		1		D4095-043	WEARPLATE ASSEMBLY
22B		*1		*D4096-3 (PART OF D4095-043)	*GASKET (BONDED TO D4095-043, REPLACES D3566-3)

46	8			D3403-1	BUSHING (REPLACED QTY.4 WITH D3403-5)
46A	8			D3403-5	BUSHING (REPLACES QTY.4 D3403-1)

49	4			AN4C52A	BOLT (REPLACED QTY.4 WITH AN4C53A)
49A	4			AN4C53A	BOLT (REPLACES QTY.4 AN4C52A)

53	8			D3672-11	WASHER (REMOVED QTY.8)
----	---	--	--	----------	------------------------

WAS:

3		12		AN3C6A	BOLT
4		8		AN3C7A	BOLT
5		44		AN960C10L	WASHER

21A		1		D3564-1	WEARPLATE
21B		1		D3564-3	WEARPLATE
22A		1		D3566-1	GASKET
22B		1		D3566-3	GASKET

46	16			D3403-1	BUSHING
----	----	--	--	---------	---------

49	8			AN4C52A	BOLT
----	---	--	--	---------	------

53	16			D3672-11	WASHER
----	----	--	--	----------	--------

*BONDING IS ACHIEVED USING 3M 1300/ 1300L SCOTCH GRIP ADHESIVE.

DESIGN	<i>1</i>	DART AEROSPACE USA, INC PORT HADLOCK, WA	
DRAWN	<i>2</i>		
CHECKED	<i>99</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9517	SHEET 5 OF 6
APPROVED	<i>100</i>	TITLE	
DE APPR.	<i>100</i>	SCALE	
DATE	10.04.21	NTS	
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DSI 9517

THE PARTS LISTS IN SECTION 32.16 OF ICA-D412-742 (PAGES 57 AND 59) AND SECTION 5.2 OF IIN-D412-742 (PAGES 18 AND 19) ARE AMENDED AS FOLLOWS WHEN OPTIONAL DSI-9517-011 KIT IS INSTALLED:

32.16 D412-742-013 (APICAL TRI-BAG) FLOAT SKIDTUBE INSTALLATION PARTS LIST (ICA-D412-742)
5.2 D412-742-013 (APICAL TRI-BAG) FLOAT SKIDTUBE INSTALLATION PARTS LIST (IIN-D412-742)

Item	QTY -013	QTY -043	PART NUMBER	DESCRIPTION
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE

IS:

3		10	AN3C6A	BOLT (REMOVED QTY.2)
4		4	AN3C7A	BOLT (REMOVED QTY.4)
5		38	AN960C10L	WASHER (REMOVED QTY.6)

21A	1		D4095-041	WEARPLATE ASSEMBLY
21B	*1		*D4096-1 (PART OF D4095-041)	*GASKET (BONDED TO D4095-041, REPLACES D3566-1)
22A	1		D4095-043	WEARPLATE ASSEMBLY
22B	*1		*D4096-3 (PART OF D4095-043)	*GASKET (BONDED TO D4095-043, REPLACES D3566-3)

46	8		D3403-1	BUSHING (REPLACED QTY.4 WITH D3403-5)
46A	8		D3403-5	BUSHING (REPLACES QTY.4 D3403-1)

49	4		AN4C52A	BOLT (REPLACED QTY.4 WITH AN4C53A)
49A	4		AN4C53A	BOLT (REPLACES QTY.4 AN4C52A)

53	8		D3672-11	WASHER (REMOVED QTY.8)
----	---	--	----------	------------------------

WAS:

3		12	AN3C6A	BOLT
4		8	AN3C7A	BOLT
5		44	AN960C10L	WASHER

21A		1	D3564-1	WEARPLATE
21B		1	D3564-3	WEARPLATE
22A		1	D3566-1	GASKET
22B		1	D3566-3	GASKET

46	16		D3403-1	BUSHING
----	----	--	---------	---------

49	8		AN4C52A	BOLT
----	---	--	---------	------

53	16		D3672-11	WASHER
----	----	--	----------	--------

*BONDING IS ACHIEVED USING 3M 1300/ 1300L SCOTCH GRIP ADHESIVE.

SS/BC

DESIGN	<i>A</i>	DART AEROSPACE USA, INC PORT HADLOCK, WA	
DRAWN	<i>B</i>		
CHECKED	<i>DP</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9517	SHEET 6 OF 6
APPROVED	<i>MO</i>	TITLE	SCALE
DE APPR.	<i>MM</i>	ALTERNATE WEARPLATE KIT	NTS
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Location/Lot Activity

October 7, 2010 1:30:17 PM

Page 1 of 1

Criteria : Item ID: ds1 9517-011 All Locations All Lots All Transaction Types All Dates Report on Locations & Lots										
Transaction Type	Item ID/ Item Name	Warehouse	Reason	Employee ID	Loc Trans Date	LocQtyPrior/ Location Qty	Lot Number	LotQtyPrior/ Lot Qty	Shelf Life Date	Extended Cost
		Location ID		Location Code				Lot Code		
Shipment	DSI 9517-011 / Alternate Wearplate Installation	Main Warehouse	SO102219	BEDF01		2.0000		2.0000		
		FG			4/27/10	-2.0000	58164	-2.0000		-\$734.92
										-\$734.92
WIP Receipt	DSI 9517-011 / Alternate Wearplate Installation	Main Warehouse	58164	FAUT01		0.0000		0.0000		
		FG			4/27/10	2.0000	58164	2.0000		\$734.92
										\$734.92

✓ ✓ ✓

✓ ✓ ✓

✓ ✓ ✓